

# CITY OF SANTA BARBARA WATERFRONT DEPARTMENT

## MEMORANDUM

**Date:** March 21, 2019  
**To:** Harbor Commission  
**From:** Scott Riedman, Waterfront Director  
**Subject:** **Facilities Management Report**

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### **Federal Channel Dredging**

Pacific Dredge Company is scheduled to begin spring cycle dredging the first week of April. This is the sixth and final cycle of a 3-year contract with the Corps of Engineers. Once dredging the Federal Channel is complete, Pacific Dredge will conduct additional dredging just inside the sandspit where a shoal has developed due to the strong southeasterly winds experienced several times this year. Consistent southeast winds have pushed sand over the timber pile wall and rip-rap into the harbor narrowing the channel along Marina One "S" finger. All dredging should be completed by the end of April. The Corps will require Pacific Dredge to remove their dredging equipment from the Waterfront including all dredge pipe on East Beach, West Beach, and in the dredge yard. A new three-year contract will be advertised, bid, and awarded by the Corps in late summer with mobilization by the low-bid contractor in November 2019.

Additional sediment removal is tentatively scheduled concurrent with the Federal Channel dredging. The breakwater is essentially impermeable with respect to waves pushing sand through the rip-rap into the harbor creating shoal conditions between the breakwater and the south side of Marina One. Most of the voids in the rip-rap at the waterline were filled with grout over a decade ago with the exception of one area off Marina One "G" finger. Staff has requested the use of Port San Luis's Toyo pump designed to remove sediment from a relatively small area. This method was used in 2006 to remove several thousand cubic yards of sand. There is much less sand this year but enough to impact navigation between "G" finger and the breakwater. This work will be conducted under the Waterfront's Sediment Management Plan permits pending approval from several regulatory agencies.

Prepared by: Karl Treiberg, Waterfront Facilities Manager